

Table 6.7 Current and Proposed Renewable Energy Facilities in the State of Utah

last updated: 5/7/2008

Red font indicates proposed project.

Technology	# of Facilities	Capacity (kW)
Biomass	2	4,800
Biomass - Proposed	2	3,950
Geothermal	1	34,000
Geothermal - Proposed	4	64,000
Solar	33	518
Solar - Proposed	3	2,045
Wind	4	959
Wind - Proposed	5	730,100
Hydro	63	275,892
Hydro - Proposed	0	0
<b>Total</b>	<b>103</b>	<b>316,169</b>

Technology	Owner / Operator	Plant Name / Location / Use	Capacity (kW)	
Biomass - landfill gas	Salt Lake Valley Landfill	Salt Lake Valley Landfill / used by Murray City	3,200	
Biomass - landfill gas	Davis County Landfill	Davis County Landfill / Layton / power goes to Hill AFB	1,600	
Biomass - landfill gas	Trans-Jordan Landfill / Granger Energy Co.	Trans-Jordan Landfill / to used by Interstate Brick Co.	3,000	Proposed: ??
Biomass - landfill gas	Weber County/Blue Sky Energy	Weber County Landfill/Ogden/Green certificates for sale	950	Proposed: ??
Geothermal	PacifiCorp	Blundell	34,000	
Geothermal	PacifiCorp	Blundell expansion	34,000	Proposed: ??
Geothermal	Raser Technologies, Inc.	Escalante Desert (3 separate 10 MW plants)	30,000	Proposed: late 2008
Geothermal	--	Cove Fort (currently not in operation)	?	Proposed: ??
Geothermal	Renaissance Energy	Renaissance, Honeyville, Box Elder County	?	Proposed: ??
Solar - PV	Glen Canyon National Recreation Area	Dangling Rope Facility	160.0	
Solar - PV	University of Utah - Cosmic Ray Observatory	West of Delta, UT, 530 individual 120W panels	63.6	
Solar - PV	Natural Bridges National Monument	Monument Facilities	50.0	
Solar - PV	Stratford Apartments	Downtown Salt Lake City	47.0	
Solar - PV	Kolob Mountain Ranch	Kane County	32.0	
Solar - PV	Ritz Apartments	Downtown Salt Lake City	29.3	
Solar - PV	Ashby Apartments	Downtown Salt Lake City	29.3	
Solar - PV	Salt Palace Convention Center	Downtown Salt Lake City - powers parking garage	20.0	
Solar - PV	Westminster College	Salt Lake City	8.0	
Solar - PV	Canyonlands National Park	Hans Flat Facility	7.2	
Solar - PV	Zion National Park	Visitor Center - grid tied	7.2	
Solar - PV	Cal Black Airport	Airport Facilities	6.0	
Solar - PV	Arches National Park	Devil's Garden Campground	5.6	
Solar - PV	St. George Water and Energy Administration	St. George	5.0	
Solar - PV	Tracy Aviary	Salt Lake City	5.0	
Solar - PV	Employ/Ease	St. George	5.0	
Solar - PV	Goblin Valley State Park	Water Pumping	4.0	
Solar - PV	Goblin Valley State Park	Employee Housing	3.6	
Solar - PV	Utah Dept of Transportation	Murray maintenance shed	3.2	
Solar - PV	Solar Unlimited	Cedar City	3.0	
Solar - PV	Yuba Lake State Park	Water pumping	2.6	
Solar - PV	In Hot Water Heat and Power	Eden	2.6	
Solar - PV	Cunningham Ranch	Wildlife Education Center	2.4	
Solar - PV	Entheos Academy Charter School	Kearns, UT	2.4	
Solar - PV	Black Diamond	Salt Lake City	2.2	
Solar - PV	Monte Cristo Snow Cat Shed	Lighting, Power Tools, Radios	1.8	
Solar - PV	KRCL Radio	Salt Lake City	1.8	
Solar - PV	Canyon Structural Engineering	Salt Lake City	1.7	
Solar - PV	East High School	Salt Lake City	1.7	
Solar - PV	Bryce Canyon National Park	Water Pumping	1.5	
Solar - PV	Antelope Island State Park	Garr Ranch Facility	1.5	
Solar - PV	Utah Department of Natural Resources	North Temple & Redwood Road	1.3	
Solar - PV	Green Building Center	Salt Lake City	1.0	
Solar - PV	Moab Arts and Recreation Center	Moab	20.0	Proposed: 2008
Solar - PV	Clark Planetarium	Salt Lake City	25.0	Proposed: 2008
Solar - thermal	Delta Solar Project	Great Basin near Delta , UT	2,000	Proposed: ??
Wind	U.S. Department of Defense	Camp Williams - two turbines - 225 kW & 665 kW	890	
Wind	Private Residence	Circleville, UT	65	
Wind	Utah Dept of Transportation	Milford Station	1.8	
Wind	Milford Elementary School	Milford, UT - the new Skystream turbine	1.7	
Wind	First Wind (formally UPC)	Milford Valley, Phase 1: 80 2.5 MW turbines in Beaver Co., Phase 2: 48 2.5 MW turbines in Beaver Co. and 32 2.5 MW turbines in Millard Co.	400,000	Proposed: 2009?
Wind	PPM Energy, Inc.	Rich County, near Woodruff, UT (160 turbines at 1.5 MW each)	240,000	Proposed: 2009?
Wind	--	Stockton Bar (35 turbines at 2.1 MW each)	70,000	Proposed: ??
Wind	Wasatch Wind	Spanish Fork (9 turbines at 2.1 MW each)	18,900	Proposed: Summer 2008
Wind	Tooele Army Depot	Tooele, UT (1 or 2 turbines)	1,200	Proposed: ??

Hydro	U.S. Bureau of Reclamation	Flaming Gorge	151,800
Hydro	PacifiCorp	Cutler	30,000
Hydro	PacifiCorp	Olmstead	10,300
Hydro	Logan City Mun. Light and Power	Hydro II	6,600
Hydro	PacifiCorp	Pioneer	5,000
Hydro	U.S. Bureau of Reclamation	Deer Creek	4,800
Hydro	Murray City Power Dept.	Little Cottonwood	4,800
Hydro	Bountiful City Light and Power	Echo Dam	4,400
Hydro	Garkane Power Assn. Inc.	Boulder	4,200
Hydro	Weber Basin Water Conserv. Dist.	Gateway	4,000
Hydro	PacifiCorp	Weber	3,800
Hydro	Strawberry Water Users Assn.	Spanish Fork	3,600
Hydro	Ephraim City Power Dept.	Hydro Plant No. 3	2,800
Hydro	PacifiCorp	Upper Beaver	2,500
Hydro	Washington County WCD	Quail Creek #1	2,300
Hydro	Weber Basin Water Conserv. Dist.	Causey	2,100
Hydro	PacifiCorp	Granite	2,000
Hydro	Weber Basin Water Conserv. Dist.	Wanship	1,900
Hydro	Bountiful City Light and Power	Pine View Dam	1,800
Hydro	Manti Light and Power Company	Manti Upper	1,600
Hydro	Heber Light and Power Dept.	Lake Creek	1,500
Hydro	Logan City Mun. Light and Power	Hydro III	1,500
Hydro	Springville Mun. Power and Light Dept.	Bartholomew	1,500
Hydro	Mt Pleasant Mun. Elec. And Power Dept.	Unit 4	1,200
Hydro	Brigham City Light and Power	Brigham City	1,200
Hydro	Manti Light and Power Company	Manti Lower	1,200
Hydro	Moon Lake Electric Assn. Inc.	Uintah	1,200
Hydro	PacifiCorp	Snake Creek	1,200
Hydro	PacifiCorp	Stairs	1,000
Hydro*	Moon Lake Electric Assn. Inc.	Yellowstone	900
Hydro*	Heber Light and Power Dept.	Snake Creek	800
Hydro*	PacifiCorp	Sand Cove	800
Hydro*	PacifiCorp	Gunlock	750
Hydro*	Garkane Power Assn. Inc.	Lower Boulder	700
Hydro*	Beaver City Mun. Elec. Light and Water	Beaver Upper Hydro 3	650
Hydro*	Beaver City Mun. Elec. Light and Water	Beaver Mid Hydro 2	625
Hydro*	Parawon City Electrical Dept.	Red Creek / Paragonah	600
Hydro*	Parowan City Electrical Dept.	Center Creek	600
Hydro*	St George City Water and Power Dept.	Pine Valley	600
Hydro*	Brigham City Light and Power	Box Elder	500
Hydro*	Hyrum City Corp.	Hyrum	500
Hydro*	Nephi Municipal Electric Dept.	Salt Creek	500
Hydro*	PacifiCorp	Veho	500
Hydro*	Springville Mun. Power and Light Dept.	Spring Creek	500
Hydro*	Strawberry Water Users Assn.	Payson	400
Hydro**	Thayn Lee R and A Leon	Thayn	400
Hydro*	St. George City Water and Power Dept.	Gunlock Hydro	372
Hydro**	BMB Enterprises Inc.	Granite Creek	350
Hydro*	Springville Mun. Power and Light Dept.	Hobble Creek	300
Hydro*	Spring City Light and Power Plant	Spring City Hydro	300
Hydro*	Beaver City Mun. Elec. Light and Water	Beaver Lower Hydro 1	275
Hydro*	Monroe City Elec. Light Dept.	Lower	260
Hydro*	Monroe City Elec. Light Dept.	Upper	260
Hydro*	Mt Pleasant Mun. Elec. And Power Dept.	Unit 3	225
Hydro*	Levan Mun. Elec. Light System	Pigeon Creek	210
Hydro*	Ephraim City Power Dept.	Hydro Plant No. 1	200
Hydro*	Nephi Municipal Electric Dept.	Bradley	200
Hydro*	Springville Mun. Power and Light Dept.	Upper Bartholomew	200
Hydro*	PacifiCorp	Fountain Green	160
Hydro**	Douglass George	Deep Creek	125
Hydro*	Ephraim City Power Dept.	Hydro Plant No. 4	120
Hydro*	Levan Mun. Elec. Light System	Cobble Rock	110
Hydro*	Monroe City Elec. Light Dept.	Monroe Pumping Station	100

Source: [National Renewable Energy Laboratory - Renewable Electric Plant Information System \(REPiS\), 2002](#)  
[EIA, Electric Power Annual, Electric Generating Capacity 2006 - Form EIA-860](#)  
[Solar data from SEP - Click on this link for more information on Utah Solar](#)  
Some data from personnel contacts

For Hydro Only:

No asterisk - recorded by EIA (2006)

\* - recorded by EIA (2000)

\*\* - recorded by NREL but not EIA

Note: This table only includes facilities that are 1 kW or greater and does not include direct-use geothermal facilities